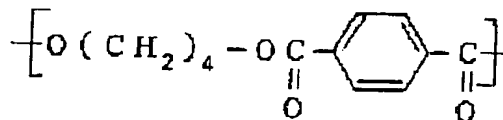


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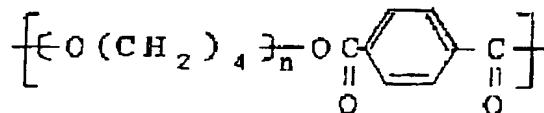
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APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : MATSUMOTO YASUYO;

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H01B 3/42 H01B 7/18 H01R 4/72



TITLE : RESIN COMPOSITION AND TUBE
MADE THEREFROM

I

II

ABSTRACT : PURPOSE: To provide the subject composition containing a specific copolymerized butylene terephthalate polyester and an ethylene-methyl acrylate copolymer, having excellent heat-resistance, thermal aging resistance, flame-retardance and processability and useful e.g. as a protection tube for the connecting part of electric wire.

CONSTITUTION: The objective resin composition having excellent heat-resistance, thermal aging resistance, flame-retardance and processability and utilizable as an insulating and protecting tube for the connecting part of electric wire is produced by compounding (A) 100 pts.wt. of a polyester composed of two kinds of recurring units consisting of butylene terephthalate unit of formula I and polyoxybutylene terephthalate unit of formula II with (B) 10-100 pts.wt. of an ethylene-methyl acrylate binary copolymer having a methyl acrylate content of $\geq 40\text{wt.}\%$. An insulating and protecting tube can be produced by kneading the compounded mixture with a 6-inch roll, extruding with an extruder in the form of a tube, irradiating the tube with electron ray at a dose of 20 Mrad, expanding the inner diameter two times at 170°C and quenching the product.

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